

PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Application Number	10/620,007
Filing Date	July 15, 2003
First Named Inventor	Locke et al.
Art Unit	
Examiner Name	
Attorney Docket Number	3303-24

Total Number of Pages in This Submission

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to a Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/08B Form (2 Pages); References and 1 Postcard
Remarks No fee is believed due. However, if any fee is due, the Commissioner is authorized to charge any such fee and any additional fees due or credit any overpayment to Deposit Account No. 50-0951.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Neil R. Jetter AKERMAN SENTERFITT
Signature	
Date	January 8, 2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: January 8, 2004

Typed or printed	Neil R. Jetter
Signature	
Date	January 8, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re: Application of: LOCKE et al.

Application No.: 10/620,007

Examiner:

Date Filed: July 15, 2003

Group:

For: HYBRID ELECTRICAL DISCHARGE REACTORS AND
THE USE OF ZEOLITES TO ENHANCE THE DEGRADATION
OF CONTAMINANTS

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited
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P.O. Box 1450, Alexandria, VA 22313-1450 on
January 8, 2004.

Neil R. Jetter

Reg. No. 46,803

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached Forms PTO/SB/08B which the Examiner may deem relevant to patentability of the claims of the above-identified application.

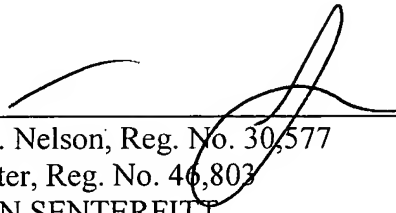
The submission of the listed documents are not intended as an admission that any listed document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

Although no fee is believed due, the Commissioner is hereby authorized to charge any fees which may be required by submission of these papers to Deposit Account No. 50-0951.

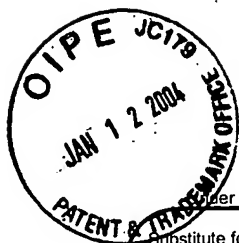
Respectfully submitted,

Dated: 1/8/04



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Docket No. 3303-24



PTO/SB/08B (08-03)

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/620,007
Filing Date	July 15, 2003
First Named Inventor	Locke et al.
Art Unit	
Examiner Name	
Attorney Docket Number	3303-24

Sheet	1	of	2
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NON PATENT LITERATURE DOCUMENTS

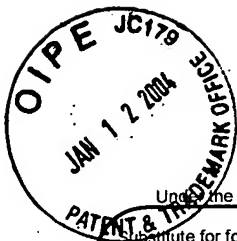
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BOSE et al., "DEGRADATION OF RDX BY VARIOUS ADVANCED OXIDATION PROCESSES: I. REACTION RATES," Wat. Res., 32:997-1004, 1998.	
		FUJII et al., "Removal of NOx by DC corona reactor with water," Journal of Electrostatics, 51-52:8-14, 2001.	
		FUJII et al., "Treatment of NOx in exhaust gas by corona plasma over water surface," Vacuum, 59:228-235, 2000.	
		GOHEEN et al., "The Degradation of Organic Dyes by Corona Discharge," Proceedings of the Second International Symposium for Chemical Oxidation: Technology for the Nineties," February 19-21, 1992.	
		GRYMONPRE et al., "Suspended Activated Carbon Particles and Ozone Formation in Aqueous-Phase Pulsed Corona Discharge Reactors," Ind. Eng. Chem. Res. 42:5117-5134, 2003.	
		GRYMONPRE et al., "The role of Fenton's reaction in aqueous phase pulsed streamer corona reactors," Chemical Engineering Journal, 82:189-207, 2001.	
		ITATANI et al., "Abatement of CF4 Using Atmospheric Pressure discharge Plasma," Proceedings of the Second Asia-Pacific International Symposium on the Basis and Application of Plasma Technology, 37-38, April 19-20, 2001.	
		KATSURA et al., "NON-THERMAL PLASMA TECHNOLOGY FOR GAS TREATMENT," The Modern Problems of Electrostatics with Application in Environmental Protection, 161:12-30, 1999.	
		LUBICKI et al., "Pulsed Corona Discharge for Advanced Oxidation in Water Purification Technology," 1996 IEEE Annual Report-Conference on Electrical Insulation and Dielectric Phenomena, San Francisco, October 20-23, 1996.	
		MATSUI, et al. "Simultaneous removal of NOx and carbon soot from diesel exhaust using discharge plasma," Proceedings of the International Conference on Electrostatic Precipitation.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/620,007		
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		Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	3303-24

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SHARMA et al., "A Preliminary Study of Pulsed Streamer Corona Discharge for the Degradation of Phenol in Aqueous Solutions," Hazardous Waste & Hazardous Materials, 10:209-219, 1993.	
		SHARMA et al., "Destruction of Pentachlorophenol Using Glow Discharge Plasma Process," Environmental Science & Technology, 34:2267-2272, 2000.	

Examiner Signature	Date Considered
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